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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 09/752,252      | 12/30/2000  | Wolfgang Roesner     | AUS920000225US1     | 7488             |

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BRACEWELL & PATTERSON LLP  
INTELLECTUAL PROPERTY LAW  
POST OFFICE 969  
AUSTIN, TX 78767-0969

EXAMINER

ORTIZ RODRIGUEZ, CARLOS R

ART UNIT PAPER NUMBER

2125

DATE MAILED: 10/04/2004

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Please find below and/or attached an Office communication concerning this application or proceeding.

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# Office Action Summary

Application No.

09/752,252

Applicant(s)

ROESNER ET AL.

Examiner

Carlos Ortiz-Rodriguez

Art Unit

2125

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 16 July 2002.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 2-12 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 2-4 and 7-10 is/are rejected.
- 7) ☒ Claim(s) 5,6,11 and 12 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 4.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

## **DETAILED ACTION**

### ***Claim Objections***

1. Claims 5-6 and 11-12 objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

### ***Claim Rejections - 35 USC § 102***

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 2-4 and 7-10 are rejected under 35 U.S.C. 102(b) as being anticipated by Raimi U.S Patent No. 5,604,895.

Regarding claim 2 and 7-8, Raimi discloses a method for monitoring an event within a hardware description language (HDL) model, said method comprising: generating an HDL simulation model (C3 L55-57 and C5 L8-12); specifying an event within said HDL simulation model as an output port of an instrumentation entity (C24 L34-38 and C30 L6-35); delivering an event monitor request within said HDL simulation model (C24 L45-54); and retrieving said event from said instrumentation entity in response to said event monitor request (Abstract and C3 L64-67).

Regarding claim 3 and 9, Raimi discloses the method further comprising utilizing input port map comments to generate a connection to said event from within said HDL simulation model (C24 L61-64).

Regarding claim 4 and 10, Raimi discloses the method further comprising utilizing entity declaration within an HDL source code file to generate and uniquely name said event (C24 L38-45).

#### ***Citation of Pertinent Prior Art***

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The following patents/publications are cited to further show the state of the art with respect to detecting events within simulation models:

- a. U.S. Pat. No. 5,544,067 to Rostoker et al., which discloses method and system for creating, deriving and validating structural description of electrical system from higher level, behavior-oriented description, including interactive schematic design and simulation.
- b. U.S. Pat. No. 5,774,380 to Pickup et al., which discloses state capture/reuse for verilog simulation of high gate count asic.
- c. U.S. Pat. No. 5,840,967 to Gulbrandsen et al., which discloses process for the preparation of contrast agents.
- d. U.S. Pat. No. 5,870,585 to Stapleton, which discloses design for a simulation module using an object-oriented programming language.

e. U.S. Pat. No. 5,870,588 to Rompaey, which discloses design environment and a design method for hardware/software co-design.

f. U.S. Pat. No. 6,195,627 to Bargh et al., which discloses method and system for instrumenting simulation models.

g. U.S. Pat. No. 6,470,478 to Bargh et al., which discloses method and system for counting events within a simulation model.

h. U.S. Pat. No. 6,718,520 to Merryman et al., which discloses method and apparatus for selectively providing hierarchy to a circuit design.

i. U.S. Pat. No. 2002/0138244 to Meyer., which discloses simulator independent object code HDL simulation using PLI.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Carlos Ortiz-Rodriguez whose telephone number is (703) 305-8009. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Leo P. Picard can be reached on (703) 308-0538. The central official fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

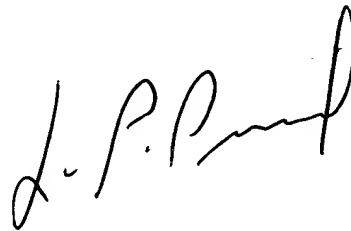
Art Unit: 2125

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

Carlos Ortiz-Rodriguez

Patent Examiner

Art Unit 2125

A handwritten signature in black ink, appearing to read "L. P. Picard". The signature is written in a cursive, flowing style.

cror

September 28, 2004

**LEO PICARD  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100**